

Tree Root Protection / Load Platform Geocell

Application Function

Ground Stabilisation | Containment / Confinement | Erosion Control

Market Sectors

Highways | Coastal & waterways

Using TERRAM GEOCELL for tree root protection ensures the roots beneath are protected from vehicle loads by confining the sub-base and stabilising the ground.

When the permeable TERRAM GEOCELL is filled with a porous, no fines, free-flowing aggregate the system allows essential passage of air and water providing essential nutrients to the roots. TERRAM GEOCELL is ideal for "No-Dig" situations.

Typical Applications

- Permanent Woodland Trails
- Paths & Cycleways
- Driveways*
- Roads
- Access Routes*
- Parking Areas

*See Arboricultural Advisory and Information Services (AAIS) 12: Driveways close to trees

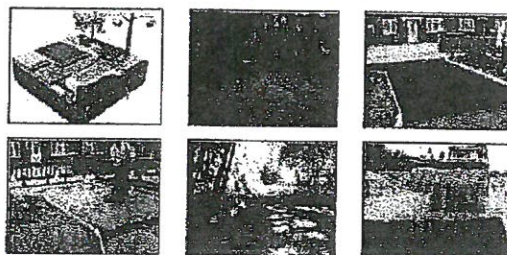
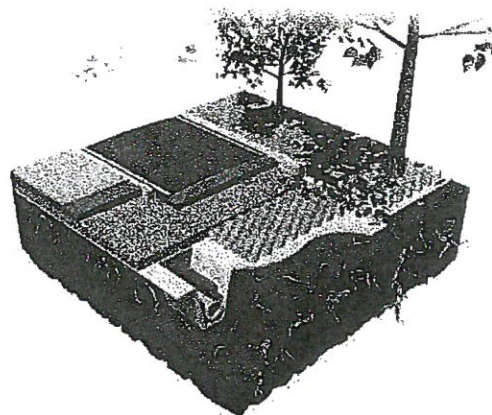
TERRAM GEOCELL is supplied as flat packed panels which are opened to form the honeycomb-like structure. These are positioned and pinned to the ground using fixing pins and filled with a suitable, permeable infill.

TERRAM GEOCELL confines the infill and ensures that downward forces are spread laterally, reducing pressure on the sub-base. Without this cellular system, the surface would become rutted and compacted with the traffic loads, damaging the tree roots and potentially resulting in the death of the tree.

GEOCELL in the Spotlight

Find out what our Solutions Sales Manager Pete Stevens has to say about the applications, technical support and benefits of using TERRAM Geocells:

TERRAM Solution Spotlight: GEOCELLS



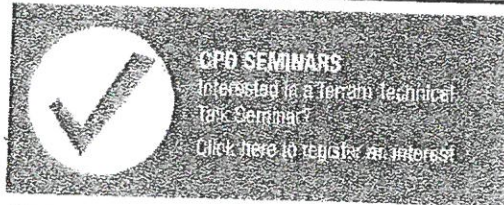
Product Details

PRODUCT	PANEL SIZE (m)	CELL Dia & DEPTH (mm)	PANEL WEIGHT	TYPICAL LOADING
GEOCELL 25/10	5 x 7	250 dia x 100	17kg	Pedestrian cycle*
GEOCELL 25/15	5 x 7	250 dia x 150	25kg	Light vehicles*
GEOCELL 22/20	6 x 3	220 dia x 200	20kg	Optimum for heavier vehicles or more frequent traffic*

* These are typical profiles only.

In recognition of the fact that trees are sensitive to disturbance, the British Standards Institution has published recommendations on how to protect them during their development. BS 5837:2005 recommends that there should be a root protection area in which development should not be permitted.

In 2007 the Arboricultural Advisory and Information Service published Arboricultural Practice Note 12: Driveways Close to Trees (APN12) which suggested that driveways could be installed within the root protection area subject to roots and the soil not being damaged. APN12 advises that an above-ground, no-dig construction should be used. This advice was incorporated into the recent British Standard which recommended that the most effective means of achieving this was through the use of three-dimensional cellular confinement system, such as a Terram Geocell.



CPD SEMINARS

Interested in a Terram Technical Talk Seminar about Geocells?

- Manufacturing overview
- Geocell applications
- Case studies
- Design & specification support

[Click here to register an interest](#)

Downloads

Brochures
Data Sheets
Design & Installation Guidance
Case Studies
Material Safety Data Sheets
Product Leaflet



TERRAM
Ground
Reinforcement
Solutions



TERRAM
Roads &
Highway
Solutions



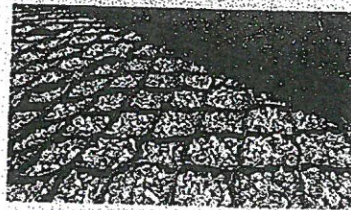
TERRAM
Railways



TERRAM
GEOCELL
Brochure

SEMINAR 2

TERRAM GEOCELLS



- Manufacturing overview
- Applications
- Case studies
- Design & specification support

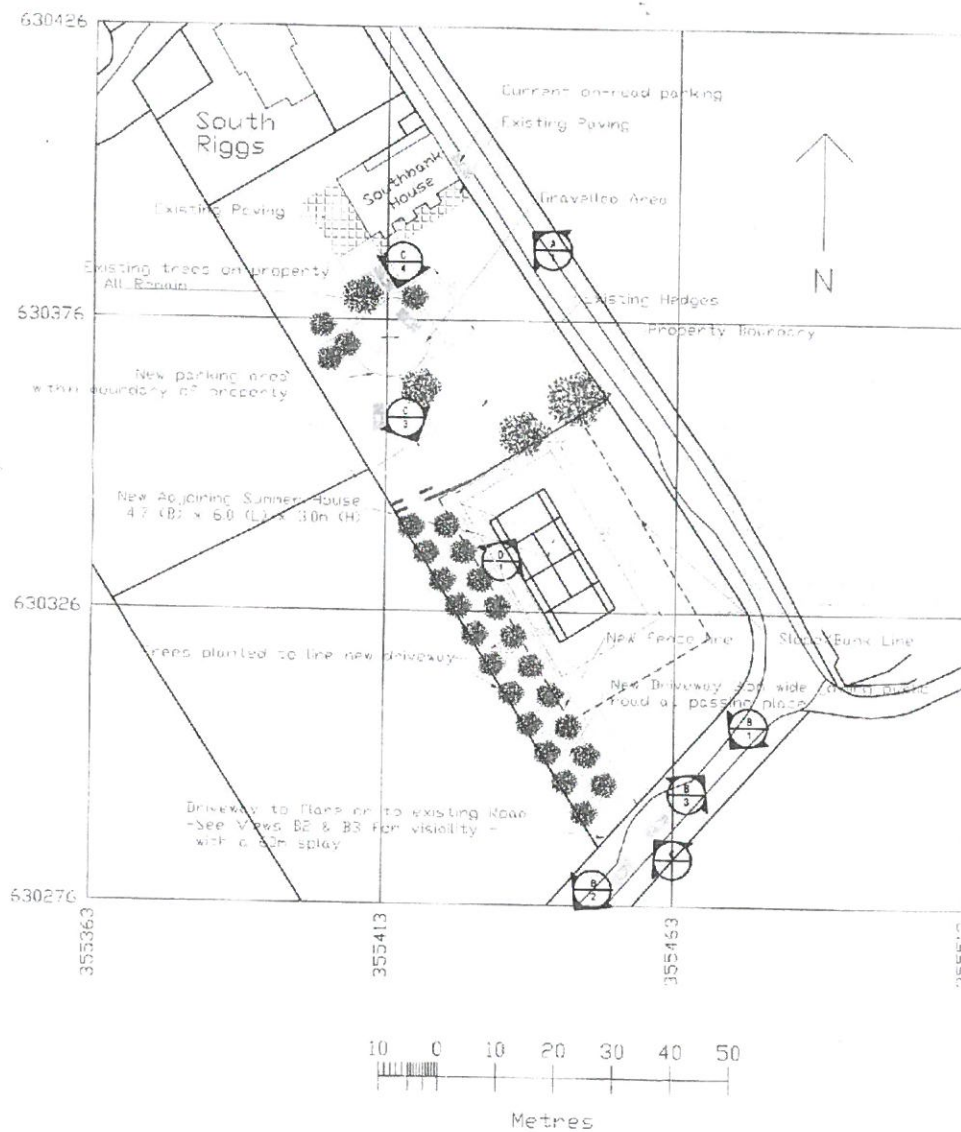
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21/02/2018

Scottish Borders Council
Town And Country
Planning (Scotland) Act
1997

REFUSED

subject to the
requirements of the
associated Decision
Notice





South
Riggs

Southbank
House

Section of gravel drive incorporating a
Terram Geocell root protection system.

new 3.5m wide drive

new gravel driveway

Existing field gate

new fence line

40m visibility splay

Existing field gate

Existing passing place

60m visibility splay

All materials, components, design, methods of construction or operations to conform to a British Standard or to be based on the recommendations of a British Standard code of practice. All works to comply with the Building Standards (Scotland) Regulations 2009, including all current amendments. All parties to the contract must comply with the CDM Regulations 2007, including all current amendments. All works to be in strict accordance with the Design Certificate and any appendix notes and drawings produced by the Consultant Structural Engineer. All dimensions to be checked on site prior to construction and any discrepancies reported to the Architect. All works to be carried out under Mid Scot (2011) Erection Minor Works Building Contract For Use in Scotland.

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Issue	Date	Description	Drawn by
Project: Proposed New Access Drive at Southbank, Bowden, TD6 9ST			
Client: Mrs S Wilkinson			
Title: Site Layout Plan			
Scale:	Sheet size:	Drawn by:	Drawn:
1:500	A3	DP	18.04.18
Project no:	Drawing no:	Issue:	

1252 S01 A



South
Riggs

Southbank
House

Section of gavel drive incorporating a
Terram Geocell root protection system.

new adjoining summer house
4.7 (B) x 6.0 (L) x 3.0m (H)

proposed new tennis court

new 3.5m wide drive

new gravel driveway

new fence line

40m visibility splay

existing field gate

existing field gate

existing passing place

60m visibility splay

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Issue Date Description Issued by
1/18/18
**Proposed New Access Drive at
Southbank,
Bowden,
TD6 0ST**

Client
Mrs S Wilkinson

1/18/18
Site Layout Plan

Scale Paper size Drawn by Date
1:500 A3 DP 18.04.18

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